

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE 1 OF 1 PAGES
2. AMENDMENT/MODIFICATION NO. M043		3. EFFECTIVE DATE 1/10/05		4. REQUISITION/PURCHASE REQ. NO. N/A	
5. PROJECT NO. (If applicable) QA:NA					
6. ISSUED BY U.S. Department of Energy Office of Repository Development (ORD) 1551 Hillshire Drive, M/S 523 Las Vegas, NV 89134		7. ADMINISTERED BY (If other than Item 6) U.S. Department of Energy Office of Repository Development (ORD) 1551 Hillshire Drive, M/S 523 Las Vegas, NV 89134			
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code) Booz-Allen & Hamilton, Inc 8283 Greensboro Drive McLean, Virginia 22102-3838				9A. AMENDMENT OF SOLICITATION NO. (✓)	
				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. X DE-AC28-02RW12152	
				10B. DATED (SEE ITEM 13) June 16, 2002	
CODE		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

SEE PAGE 2

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER Specify type of modification and authority) Unilateral modification IAW contract clause H.20 "Ordering Procedure"
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return ___ copies to the issuing office.	

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this administrative modification is to issue the Department of Energy's Office of Repository Development and Headquarters' Base Tasks for Fiscal Year 2006 (Task YM06-01 and HQ06-01 respectively). The task is being issued under contract clause H.20 "Ordering Procedure." The period of performance will be October 1, 2005 through June 15, 2006. (Note: When preparing your task plans, and estimated costs, please use the performance period of October 1, 2005 through September 30, 2006.)

**EXECUTED
COPY**

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		Birdie Hamilton-Ray Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY Birdie Hamilton-Ray (Signature of Contracting Officer)	9/12/05

**U.S. DEPARTMENT OF ENERGY
TASK ORDER**

CONTRACTOR NAME AND ADDRESS:

Richard L. Toft, General Manager
Booz-Allen & Hamilton, Inc.
1551 Hillshire Drive
Las Vegas, NV 89134

CONTRACT NUMBER: DE-AC28-02RW12152

CONTROL NUMBER:

TASK ORDER NUMBER: YM06-01

**Sub Service
Manager**

X: _____
Name: _____
Date: _____
Service Area: _____
702-794-_____

**Sub Service
Manager**

X: _____
Name: _____
Date: _____
Service Area: _____
702-794-_____

Service Manager

X: _____
Name: _____
Date: _____
Service Area: _____
Tele: (702) 794-_____

**Contracting
Officer's Rep**

X: _____
Name: _____
Date: _____
Service Area: All
Tele: (702) 794-1301

TITLE OF TASK ORDER: Base Task for Management and Technical Support Services

DESCRIPTION OF WORK TO BE PERFORMED: YM06-01 initiates work for FY06 in accordance with the attached base support tasks.

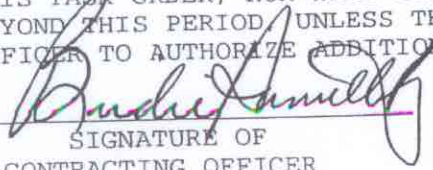
SCHEDULE OF PERFORMANCE/DELIVERABLES LIST AND DUE DATES: SEE ATTACHED PAGES.

NOTE: For each deliverable required by this Task Order, the Contractor shall submit to the Contracting Officer (CO) and to the Contracting Officer's Representative (COR) a copy of the transmittal letter which evidences timely receipt of the deliverable by the Department of Energy. A separate deliverable entitled "Final Task Status Report" shall provide totals of the cost, fee, and hours expended under this Task Order, and shall be provided to the CO, COR, and Service Manager within three months after the completion date of this Task Order.

PERIOD OF PERFORMANCE: This Task Order covers the period of performance from October 1, 2005 through September 30, 2006. (Note: The final three months (June 16, 2006 through September 30, 2006) of this task are contingent upon the government exercising the final option period.)

THIS TASK ORDER IS ISSUED PURSUANT TO THE ORDERING PROCEDURES CLAUSE OF THE SUBJECT CONTRACT.

THE CONTRACTOR SHALL NOT BE PAID FOR WORK PERFORMED OR COSTS INCURRED UNDER THIS TASK ORDER PRIOR TO THE DATE OF THE CO'S SIGNATURE BELOW. IN ADDITION, THE CONTRACTOR IS NOT AUTHORIZED TO PROCEED BEYOND THE PERFORMANCE PERIOD OF THIS TASK ORDER, NOR WILL THE CONTRACTOR BE PAID FOR ANY COSTS INCURRED BEYOND THIS PERIOD UNLESS THIS TASK ORDER IS REVISED BY THE CONTRACTING OFFICER TO AUTHORIZE ADDITIONAL PERFORMANCE AND PAYMENT.


SIGNATURE OF
CONTRACTING OFFICER

9/12/05
DATE

Birdie V. Hamilton-Ray
TYPE NAME OF
CONTRACTING OFFICER

TASK ODER REVISION YM06-01

C.4.1 Service Area – Licensing & Regulatory Compliance

ORD is responsible for developing and issuing key regulatory products for the Yucca Mountain Project (YMP) License Application to construct and operate a geologic repository. This office manages all regulatory and licensing topics, strategies, and processes that result in the overall integration of activities of the YMP that lead to the development of the regulatory products.

All work (technical expertise, analytical support and advice) provided by the Contractor to the ORD is required to support overall activities assuring implementation and compliance with various/specific guidance.

Performance Objective C.4.1.1 - The Contractor must provide technical advice and analysis to support:

- The review and analysis of regulatory and policy issues (policy development and rulemaking) involving Yucca Mountain for the licensing processes. The reviews will support ORD acceptance of the M&O contractor products. Alternative analysis may be used as a basis for more effective decision making. The issues for review and analysis are associated with current siting guidelines (proposed 10 CFR 963), the EPA standards (10 CFR 197) and the Nuclear Regulatory Commission licensing requirements (proposed 10 CFR 63) or similar types of Regulations.
- The identification and management of commitments made to regulatory agencies and the development of long-term regulatory and licensing strategies.
- Technical assistance for the monitoring of interactions and issues between the DOE and the NRC. Provide support and coordination activities involving implementation of NRC licensing criteria.

Deliverables

Due Dates

Assist in the development of issue papers, technical resource information, and regulatory analyses on existing, revised or proposed federal, state and local environmental law and regulations.

As required

Provide support in activity issue resolution and analysis and the development of corrective actions.

As required

Provide support in the development of communication materials for briefings, presentations, public meetings, etc.

As required

Provide support in the development of strategies, plans, communication materials for briefings, and presentations for

As required

interactions with Federal, State, and local regulatory agencies and oversight bodies.

Assist in the development of impact and contingency analyses on pending environmental legislative proposals, regulations, changes, etc.

As required

Performance Objective C.4.1.2 - Requirements and Planning Guidance

The Contractor must provide technical advice and analysis to support the development of requirements and planning guidance that is derived from analysis of technical and regulatory requirements. Typical products include the YMP-RD and the annual planning guidance forwarded to the contractor.

Deliverables

Due Dates

Provide expert knowledge, advice, and assistance in matters of program development, regulatory coordination and review, quality engineering, trend analysis, surveillance and integration of project activities is required.

As required

Provide assistance with WBS management, to include scoping, budgeting, progress monitoring, review of deliverables, and change control.

As required

Assist in the development and/or review of Project implementing plans and procedures.

As required

Provide document review comments regarding program planning documents, license application plans and sections, and other Project documents.

As required

Conduct analyses of and recommend improvements to internal Project processes related to service area responsibilities.

As required

Develop impact and contingency analysis as necessary as a result of changes to regulatory requirement, program approach, or YMP strategy/design.

As required

Performance Objective C.4.1.3 – Technical and Regulatory Documents

The Contractor must provide technical advice and analysis to support the review of such technical and regulatory documents such as:

- Total System Performance Assessments for the License Application and the preliminary

iterations there of.

- National and Nevada based transportation regulatory documents.
- National Environment Policy Act and regulatory documents related to the development of the Environmental Impact Statement and mitigation plan implementation by OCRWM.
- Analysis of the Nuclear Regulatory Commission 10 CFR Part 63 and flow-down documents to include the Yucca Mountain review plan, to identify requirement that pertain to the development of the License Application.
- Analysis of the Environmental Protection Agency 10 CFR Part 197 to identify requirements that pertain to the development of the License Application.

Deliverables

Due Dates

Provide expert knowledge, advice, and assistance in matters of program development, regulatory coordination and review, quality engineering, trend analysis, surveillance and integration of project activities.

As required

Assist in the integration of regulatory activities across existing YMP elements and provide support in analyzing and solving unique, cross-cutting regulatory issues. (Support requires general identification/analysis of regulatory issues, standards, and requirements; the development of regulatory strategies; and the coordination and review of the LA and its supporting documentation; and other related project documents as appropriate.)

As required

Provide technical assistance for the monitoring of interactions and issues between the DOE and the NRC, and the DOE and NWTRB.

As required

Provide support and coordination activities involving implementation of NRC licensing criteria.

As required

Provide support and coordination of activities involving implementation of NWTRB related issue.

As required

Assist in the development of issue papers, technical resource information, and regulatory analyses on existing, revised or proposed federal law and regulations applicable to the LA.

As required

Provide support in regulatory issue resolution and analysis and the development of corrective actions.

As required

Provide support in the development of communication

As required

materials for briefings, presentations, public meetings, etc.

Provide support in the development of strategies, plans, briefing materials, and presentations for interactions with Federal regulatory agencies and oversight bodies.

As required

Assist in the development of impact and contingency analyses on pending legislative proposals, regulations, changes, etc, that may affect work on the LA.

As required

Performance Objective C.4.1.4 – Technical Advice and Analysis

The Contractor must provide technical advice, analysis, and:

- Technical assistance for the monitoring of interactions and issues between the DOE and NWTRB. Provide support and coordination of activities involving implementation of NWTRB-related issues.
- Technical support to ORD coordination and integration activities such as developing responses to NWTRB requests and recommendations.
- Support in the preparation and review of presentation materials and correspondence, and the scheduling and conduct of NWTRB meetings.

Deliverables

Due date

Provide project integration and support to the performance assessment and modeling effort. (Support will include the integration oversight of scientific and engineering information and products related to and generated by the project performance assessment effort, and the subsequent integration of the information and products into the project regulatory framework.)

As required

Provide project integration support for the evaluation of regulation and document, related to the NEPA process. (Support will include the integration oversight of scientific and engineering information and products related to and generated by the project Environmental Impact Statement (NEPA) effort, and the subsequent integration of the information and products into the project regulatory framework.)

As required

Review and comment on performance assessment and other project deliverables.

As required

Assist in the planning and facilitation of performance assessment meetings.

As required

Review and comment on project deliverables

As required

Review and comment on project planning packages with regard to scope, schedule, and budget.

As required

Attend integration and planning meetings and provide written summaries.

As required

Prepare or assist in the preparation of presentations

As required

C.4.2 Service Area – Project Execution

ORD is responsible for the development of the technical basis for the Repository at Yucca Mountain and for management of the construction and operations of the Exploratory Studies Facility (ESF), testing and all other field activities. Inputs and products from this work feed directly into Licensing and Regulatory Compliance in an effort to produce the final License Application and Performance Assessments. The work includes:

- Integration and interfacing
- Energy management
- Integrated safety management system
- Project annual work plans
- Engineering and engineering support to other groups
- Design
- Configuration management
- Construction
- Field operations
- Scientific study
- Testing
- Modeling
- Radiological protection
- Qualification of data
- Performance assessment activities
- Baseline management
- Change control
- Cost estimating for Total System Life Cycle Costs
- Obtain and maintain permits (i.e. air, water, hazardous waste, and others) and related documents.

The contractor work supporting ORD will help assure technical accuracy, compliance with codes and standards, design, schedule and cost sufficiency, operational performance and provide independent consultation general assistance per guidance given. The contractor will assist DOE with the independent review of the documents and data that are supplied by the

M&O contractor.

C.4.2.1 - Technical Basis for License Application and Performance Assessment

Performance Objective No. C.4.2.1 – The Contractor must provide:

- Direct support and assistance for independent reviews of documents, analyses, data, and deliverables.
- Independent review, assessment, and recommendations of Technical Data Management, planning, and policies.
- Project integration support for performance assessment, integration oversight of scientific and engineering information and products related to and generated by the project performance assessment effort, and the subsequent integration of the information and products into the project regulatory framework.

Deliverables as applicable:

Due Date

Project integration support for performance assessment, integration oversight of scientific and engineering information and products (e.g., Licensing Letter Reports, AMRs) related to and generated by the project performance assessment effort, and the subsequent integration of the information and products into the project regulatory framework.

As required

Monitor the progress and documentation of work to satisfy KTI agreements. Ensure KTI agreement documentation is sound, technically, meets the intent of the agreement, and is provided in a timely manner in accordance with the schedule.

As required

Monitor the progress of work needed to update AMRs and other technical basis documentation for the TSPA for LA.

As required

Monitor and assess performance of the LA, technical products, and coordinate with other YM organizations to ensure that program activities are conducted IAW OCRWM policy, guidance, and objectives and in compliance with DOE orders and NRC regulations.

As required

Support establishment of schedules for and participate in conducting surveys and assessments of ORD contractor activities; and maintenance of program implementing procedures.

As required

Provide technical expertise and assistance in management of programs at the YMP through the development of strategies consistent with DOE

As required

and NRC regulations; engineering services to participate in the design reviews of the preliminary preclosure design basis events analysis and assessments; independent review, assessment, and recommendations of safety assessment planning, policies, deliverables, and other assigned associated activities.

Prepare presentations and other technical materials.

As required

Provide ORD-wide organizational support with compliance management activities to include corrective action (QA program deficiency identification and resolution and non-QA condition identification and issue resolution), procedure development and maintenance, requirement identification and management, training implementation, the annual QA Management Assessment & QA Program Compliance Audit, self-assessments, and lessons learned.

As required

Submit activity and status reports for science-related activities.

Weekly

C.4.2.2 - Repository Engineering – Systems, Waste Package, Subsurface and Surface Facilities

Performance Objective No. C.4.2.2 – The Contractor must provide:

- Independent review, assessment, and recommendations of System Engineering products such as Project Requirement Documents, System Description Documents, Concept of Operations, and Project Description Document (PDD)
- Engineering design reviews of the Waste Package, Drip Shields, and other associated engineered barriers.
- Support DOE to verify implementation of waste package, surface, and sub-surface requirements, system studies, Determination of Importance Evaluations (DIE's), and licensing documents such as the LA.
- Engineering design reviews of the Repository Subsurface Area including excavation, utilities, facilities, equipment, engineered barriers, and waste packaging transportation and emplacement.
- Engineering services for design reviews of the Repository Surface Facilities, including:
 - Waste Handling Building (WHB)
 - Carrier Preparation Building
 - Assembly Transfer System
 - Canister Transfer System
 - A spent nuclear fuel blending and process storage facility

- o Site utilities and infrastructure
- o Balance of plant facilities.

Systems Engineering deliverables as applicable:

Due Dates

Support the planning, evaluation of products such as Project Requirement Documents, SDD, Concept of Operations, and Project Description Document (PDD).

As required

Provide independent review, assessment, and recommendations on planning, policies, deliverables, and other assigned associated activities.

As required

Assist management efforts to improve incorporation and implementation of system engineering and technical management processes through independent review of processes and activities.

As required

Participate in conducting surveys and assessments of ORD contractor activities; and maintenance of program implementing procedures.

As required

Submit activity and status reports for engineering-related activities.

Weekly

Waste Package, Subsurface, Surface Facilities & Field Engineering deliverables as applicable:

Participate in the design reviews of the Waste Package and Drip Shields, Subsurface, and Surface Facilities including excavation, utilities, facilities, and equipment.

As required

Provide support for review and monitoring of shielding, structural, criticality, and thermal analyses of waste package and drip shield designs.

As required

Support oversight and review of subsurface layouts, subsurface interfacing with other repository areas such as surface facilities and waste package, conformance with loads and load combinations especially those addressing seismic and other extreme loads, material selection, structural component evaluations regarding serviceability, and development of requirements for other disciplines for environmental qualification of equipment.

As required

Support oversight and review of ventilation and utility load determinations and sizing, equipment determination, layouts, radiological evaluations and designs.

As required

Review of design and analyses for Surface Facilities, including the Waste Handling Building (WHB), Carrier Preparation Building, Assembly Transfer System, Canister Transfer System, and blending and storage

As required

facility.

Provide services for the independent review of design estimates.	As required
Review briefing documents for accuracy, completeness and timeliness.	As required
Support DOE by providing oversight for M&O planning activities and independently review M&O fiscal year Design planning as well as its interface with licensing documents such as the LA.	As required
Support DOE review of updates to the Multi-year Plan and revisions to the technical, cost and schedule baselines.	As required
Assist with the review of planning documents, code or other S&H compliance documents.	As required
Provide critical review of field engineering work planning and control documents, maintenance plans, and long range plans.	As required
Review change requests, position papers, plans procedures, annual work planning documents, work control and operations documents, and deliverables and provide analyses.	As required
Provide field engineering support to assess construction, operations and maintenance programs, provide analyses, and develop root cause analyses/corrective actions, as appropriate.	As required

C.4.2.3 – Science: Hydrology, Tectonics, Modeling

Performance Objective No. C.4.2.3 - The Contractor must provide technical oversight:

- During the preparation of the Yucca Mountain Site Description (YMSD) document. This includes oversight of the natural analogue and natural resources activities that contribute to the document.
- Of the unsaturated zone activities that will provide data and analyses. This includes interactions with the performing organizations during the design and planning of experiments; technical reviews of scientific accomplishments and coordination with other Yucca Mountain organizations to ensure that program activities are conducted in accordance with OCRWM policy, guidance, and objectives and in compliance with DOE orders and NRC regulations.
- Of the saturated zone activities that will provide data and analyses for the development of the Saturated Zone Analysis and Model Report (AMR) updates. This includes interactions with the performing organizations during the design and planning of experiments.

- To ensure interactions with the performing organizations during the design and planning of experiments are in accordance with Integrated Site Model Activities.
- Of the Tectonics activities that will provide data and analyses. This includes support interactions with the performing organizations during the design and planning of experiments; technical reviews of scientific accomplishments and coordination with other Yucca Mountain organizations
- For technical reviews of scientific deliverables to ensure that program activities supports:
 - Data outputs to other groups
 - Analysis and Model Reports (AMR)

Deliverables as applicable:

Due Dates

Provide technical interfaces, budget oversight, contract integration and support for Merit Review Board activities. (Key to this task is integration with the Harry Reid Center and ORD technical monitors.)

As required

Assist management efforts to improve incorporation of data and information into appropriate databases through independent review of the scientific processes and activities.

As required

Provide oversight of all field and laboratory planning and implementation activities that will provide data, analyses and models for the UZ, SZ, WP, WF, EBS , Biosphere, and Disruptive Events for the LA.

As required

Monitor and assess products and their technical basis to ensure traceability and transparency for all process models and abstracted performance assessment models.

As required

Performance Objective No. C.4.2.4 - The Contractor must provide advice, and assistance in matters of program development, regulatory coordination and review, quality engineering, trend analysis, surveillance and integration of project activities with respect to environment, safety, and health (ES&H) matters. Provide assistance with Work Breakdown Structure (WBS) management, to include scoping, progress monitoring, review of deliverables, and change control. Assist in the development and review of Project strategic and technical planning and guidance documents to assure integration of ES&H issues with other Project activities.

Deliverables as applicable:

Due Dates

Support in the development and/or review and comment on environmental program plans, procedures, and deliverables, including those associated with biological and cultural resources.

As required

Provide environmental compliance support, general project management support and serve as a liaison between DOE and the M&O, as applicable, in the WBS management, which includes scoping, budgeting, progress monitoring, and change control.

As required

Provide technical review of key environmental documents in the areas of terrestrial ecosystems, reclamation, and biosphere.

As required

Provide expert knowledge and experience for technical assistance on planning and implementation of occupational safety and health requirements in field site support services (construction and operations)

As required

Performance Objective C.4.5.3 – Asset Management

The Contractor must assist ORD efforts to comply with DOE asset management functions, including, the Facilities Information Management System (FIMS), Motor Vehicle Management, asset management planning & permitting, property inventory and control, real estate Planning and Space Management.

Deliverables

Due Dates

Assists in the development of high level guidance for the annual and long range Project plans.

As requested

Supports monthly reviews and others meetings in presenting ORD's position.

As requested

Provides support for requirements identification and flowdown.

As requested

Assists with technical management, and compliance reviews and provides comments.

As required

Supports implementation and administration of the Corrective Action Program.

As required

Assist in self assessment and review activities.

As requested

Provide independent third party reviews.

As requested

Assist in development of procedures and processes.

As requested

Performance Objective C.4.4.2 – Safeguard/Physical Security

The Contractor must provide advice and assistance in the area of Safeguard/Physical Security.

The expertise provided will assist the federal staff with policy interpretation, establishing programmatic guidance in the aforementioned functional disciplines, program reviews, coordination, and assessments.

<u>Deliverables</u>	<u>Due Dates</u>
Provide written comments on draft DOE orders.	As required
Drafts self-assessment and survey reports.	As required
Report on repository subsurface and surface S&S requirements.	As required
Prepare summaries of interactions and analyses.	As required
Draft presentation materials.	As required
Review and comment on S&S related plans, procedures, and documents.	As required
Update Annual Security Management Plan.	Annually
Update Security Review of YMP Facilities.	Annually

C.4.3 Service Area - Institutional Affairs

DOE's Public Relations Team involves the communication of timely and accurate information about the Project and related issues to both internal and external audiences. To support this effort, the contractor must provide coordination and support for the following: rapid responses for inquiries from Congress and other stakeholders, DOE and federally-mandated classification review of draft information materials and documents; and other communications work as directed.

Performance Objective No. C.4.3.1 - The Contractor must provide timely coordination and technical support for:

- The compilation of internal reports such as the DOE-required Monthly, Weekly, and 30-60-90 Day Reports.
- The timely DOE-required classification review of most Project documents and information materials.

Performance Objective C.4.3.2 - The Contractor must provide rapid response to non-routine requests such as inquiries from Congress and other stakeholders, and other special, in-depth communications projects as directed by the DOE Institutional Affairs Director or his/her representative.

Deliverables

Due Dates

Assist in the implementation of its Intergovernmental and Institutional Program.

As required

Provide strategic planning, comprehensive, detailed analysis and recommendations in all aspects of intergovernmental and institutional activities.

As required

Support coordination activities and create, edit or revise Congressional and Executive Branch rapid response items and be able to interact with subject matter experts to provide advice and to advise DOE on the rapid response process.

As required

Coordination of Congressional and Executive Branch rapid responses.

As required

Support special studies.

As required

Support interaction with local, state, national and international officials on transportation issues, and will advise DOE principal staff on expected impacts of existing and proposed courses of action.

As required

Provide advice and assistance in the preparation of scientific, technical, and general management information in lay language for internal use and issuance to the general public.

As required

Provide advice and counsel on national and DOE policies and programs that ensures YMP activities support DOE and national objectives.

As required

C.4.4 Service Area - Information Management

The YMP mission involves the management of characterization data and information collected over the past two decades. The management of that information must be able to meet the requirements of the judicial process. Rapid developments in technology has impacted the IM area because the information generated must be stored and retrieved for the lifetime of the project which is currently 10,000 years. Development of a comprehensive IT Capital Investment program that ensures data integrity and migration to future platforms is a challenge. DOE's ITD provides oversight and monitoring of this complex IM project. This office facilitates the strategic application of information technology to enhance productivity, process improvement, promote information exchange and system interoperability, and ensure defensibility of technical products. The expertise required by this statement of work would ensure that federal staff is provided with advice to make informed independent decisions relative to the discipline.

Performance Objective C.4.4.1 – Software Management

The Contractor must provide programmatic support to the federal staff in the area of Software Management. The contractor will provide industry expertise in areas such as:

- Requirements identification & Compliance
- Establishing guidance for Software Qualification and Management
- Program review and coordination
- Software Quality Assurance
- Policy interpretation
- Guidance, and assessments
- Technical reviews and independent analyses of key information systems
- Enterprise implementation of the Software Capability Maturity Model (CMM).

<u>Deliverables</u>	<u>Due Dates</u>
Provides support for requirements identification and compliance.	As required
Establishes guidance for software qualification and management, program reviews and coordination.	Annual
Provides Software Quality Assurance policy interpretation guidance, and assessments.	As required
Assists with technical reviews and provides independent analyses of key information systems	As required
Assists with enterprise implementation of the Software Capability Maturity Model	As required
Support implementation and administration of the Corrective Action Program.	As required
Assist in establishing guidance for Software Qualification and Management in relation to Program review and coordination, in developing a Software QA program; and in developing and maintaining the process for control and management of electronic information.	As required

Performance Objective C.4.4.2 – IM Operations, Telecommunications & Cyber Security

The Contractor must provide advice and assistance in the areas of IM Operations, and Telecommunications. The expertise provided will assist the federal staff with policy interpretation, establishing programmatic guidance in the aforementioned functional disciplines, program reviews, coordination, and assessments.

<u>Deliverables</u>	<u>Due Dates</u>
Provide assistance investigating new ITD related tools, procedures, and legal issues.	As required
Assist in developing Business Process Re-Engineering conceptual paradigms.	As required
Assist with Cyber Security activities and assessments.	As required
Facilitate telecommunications activities.	As required
Support IT infrastructure and applications requirements analyses, design, implementation, and logistics.	As required
Provide support for data and video network operations.	As required
Provide support for records management and document development and production operations.	As required
Review and comment on IM contractors status reports.	As required
Provide written comments on draft DOE orders and NRC proposed rules.	As required

Performance Objective C.4.4.4 – IT Capital Investment Management & Enterprise Architecture Program

The Contractor must provide assistance:

- In oversight of the implementation of the Clinger Cohen Act within OCRWM such as supporting analyses and reviews associated with the establishment of:
 - An Enterprise Architecture Program,
 - Information Architecture Planning
 - IT Initiatives
 - IT Capital Planning & Compliance
 - IT Investment Portfolio Management
- With policy interpretation, establishing programmatic guidance for this area, & assessments. Assistance/advice must also be provided for program reviews/coordination and the independent analyses of M&O contractor initiatives/recommendations.

<u>Deliverables</u>	<u>Due Dates</u>
Provide support in activities relating to the Enterprise Information Architecture planning and Program.	As required
Review IT Initiatives related to LSN, Records, and EDMS.	As required
Monitor tasks assigned to UNLV in support of the LSN and Records.	As required
Provides support to the DOE IT Standards Program, Departmental IT-related regulatory compliance issues, Departmental Enterprise Architecture development and management efforts, and Departmental IT capital investment planning and management efforts.	As required
Supports RW Order development, and reviews Support Contractor IT Initiatives and provide analysis of M&O contractor initiatives.	As required
Reviews and provides inputs, alternatives, and suggestions for IT Capital Investment Planning.	Annually
Reviews and provides inputs, alternatives, and suggestions for Input under OMB Circular A-11 Exhibits 53 and 300.	Annually
Reviews and consolidates IM contractors inputs for IT Portfolios.	Annually
Reviews and comments on IM contractors' status reports.	As required

Performance Objective C.4.4.5 – IM Compliance & Requirements Analysis

The Contractor must provide support to IM personnel such as:

- Assistance with the identification of requirements for all IM functional areas to ensure contractor proposed work priorities support establishing program priorities/objectives, and are consistent with budgetary guidelines
- Assistance with budget/schedule review/analyses
- Assistance with ensuring that IM activities are in compliance QA requirements and applicable federal regulations.

<u>Deliverables</u>	<u>Due Dates</u>
Provides technical support to the OCRWM and YMP CIO as well as the Operations-East Lead, and supports technology analyses and integration.	As required

Assists with budget and schedule reviews and analyses.

As required

Provides independent analyses of contractor initiatives and recommendations.

As required

Reviews and comments on IM related action, implementation, and acquisition plans.

As required

Reviews governmental, departmental, and programmatic policies, guidance, procedures and provides recommendations.

As required

Supports preparation of materials required for management assessments, audits, site visits, briefings, conferences, and similar type quick response activities.

As required

C.4.4 Service Area - Information Management

The YMP mission involves the management of characterization data and information collected over the past two decades. The management of that information must be able to meet the requirements of the judicial process.

Performance Objective C.4.4.3 – Federal Records Program Management, LSN and Web Content Management

The Contractor must provide advice and assistance to foster informed decision making relative to:

- Federal Records Program Management (i.e. Federal Records, quality assurance records, document production and control, correspondence control, plan, budget and procedure review)
- Licensing Support Network development/implementation such as assistance in the definition of documentary material; assistance with program review and coordination
- Web content management; assistance with policy interpretation, establishing guidance, & assessments.

Deliverables

Due Dates

Provide support on management of electronic records; and investigate new related tools, procedures, and legal issues relative to records processing and the LSN.

As required

Provide support for the development and implementation of the LSN, LSNARP meetings, the LSNARP TWG.

As required

Review and comment on LSN development & implementation schedules.	As required
Assist in the development and use of an EDMS.	As required
Provide internet/intranet data management efforts, electronic records management activities, the overall management of electronic records, and the continuing development and implementation of a Federal Records Program, including assistance with planning, budgeting, and procedure review.	As required
Assist with the records QA, document development and production, document and correspondence control.	As required
Provides support for Web content management, including assistance with policy interpretation, guidance, and assessments.	As required

C.4.5 Service Area - Project Support

ORD executes and administers all contractual agreements for OCRWM; provides all business, logistics, training support, management, and services to ORD; and coordinates audits pertaining to the ORD.

The work (business expertise, analytical support and advice) provided by the Contractor to the ORD is required to support overall activities assuring implementation and compliance with various/specific guidance.

- Provide support to ORD in ensuring the quality and consistency in the development of documents/reports and written or graphical products. Maintain an historical record of source documents and deliverables.

Performance Objective C.4.5.1 – Workforce Development and Training

The Contractor shall provide technical advice in the area of workforce development. Assist in the developing guidance for project-wide training and qualifications programs. Such programs will be based on the Systematic Approach to Training (SAT) structured around NRC regulations and INPO National Academy of Nuclear Training guidance documents, and utilize existing DOE Technical Qualification Program materials where feasible.

<u>Deliverables</u>	<u>Due Dates</u>
Assist in workforce development and planning decisions.	As requested
Assist in the execution of training functions by providing expert technical advice in the SAT process and Federal qualification program.	As requested

Provides professional training support, advice, & administrative support to organizations in developing, conducting, and evaluating training.	As required
Assists in the development of high level guidance for the annual and long range Project plans.	As requested
Supports monthly reviews and others meetings in presenting ORD=s position.	As requested
Provides support for requirements identification and flowdown.	As requested
Assists with technical management, and compliance reviews and provides comments.	As required
Supports implementation and administration of the Corrective Action Program.	As required
Assist in self assessment and review.	As requested
Provide independent third party reviews.	As requested
Assist in development of procedures and processes.	As requested

Performance Objective C.4.5.4 – Contract Management

ORD executes and administers all contractual agreements for OCRWM. The work (business expertise, analytical support and advice) provided by the Contractor to the Contracts Management Division is required to support overall activities assuring implementation and compliance with various/specific guidance.

The Contractor must assist in reviewing all deliverables from all OCRWM related contracts and other documents ensuring that they are in compliance with QA requirements and all applicable programs, policies, procedures, Orders, documents, laws, statutes, and regulations.

<u>Deliverables</u>	<u>Due Dates</u>
Assist compliance review of OCRWM activities.	As requested
Assist in drafting in-house implementing procedures and supporting documentation.	As requested
Coordinate responses and recommending corrective actions to internal and external audits, reviews and reports.	As requested
Supports implementation and administration of the Corrective	As requested

Action Program.

Maintain/utilize existing databases to track responses. As requested

Review project deliverables, change requests, and other documents and provides analyses. As requested

Assists in the development of high level guidance for the annual and long range Project plans. As requested

Provides support for requirements identification and compliance. As requested

C.4.6 Service Area – Administration

ORD is responsible for plans and procedure management.

Performance Objective C.4.6.5 - The Contractor must support the review and evaluation of plans and procedures, consistent with procedures to support the government's oversight function.

Deliverables

Due Dates

Analyze current written controlling documentation for procedures, plans, guides, manuals and the overall OCRWM document hierarchy. Provide recommendations for improvement and a timeline for implementing approved changed, including the development of new procedures. 12/01/03

Review AP-5.1Q for consistency with the QARD and best nuclear Industry standards. Analyze the effectiveness of procedure development, review and control processes. Provide recommendations for process and procedure improvements. 12/01/03

Monitor, on an ongoing basis, implementation of AP-5.1Q. Prepare condition reports where deficiencies or opportunities exist. Develops recommendations for improvement with the goal of reducing average procedure cycle time from nine months to one month. As required

Provide DOE line organizations with training and technical assistance in preparing procedure actions. As required

C.4.6 Service Area – ORD Project Control & Monitoring

ORD in Las Vegas supports Program Management and Administration and is responsible to the project for financial management, facilitating planning activities, budget formulation and execution functions, project performance measurement, plans and procedure process, total system life cycle cost oversight, performance of value engineering studies, and technical integration-configuration management oversight.

Performance Objective C.4.6.2 – Budget

Provide budget support for project, including:

- Assisting the project office in responding to OCRWM requests by gathering information and data necessary for:
 1. Developing various budget documents for all functional areas
 2. Responding to annual budget calls
 3. Responding to ad hoc budget drills e, g., what ifs, responding to congressional Q&A's etc.

Deliverables

Support preparation of budget documents.

Conducts special studies and provide recommendations.

Due Dates

As required

As required

Performance Objective C.4.6.5 - The Contractor must support the review and evaluation of M&O Planning & Control System descriptions, procedures, and operations, and M&O Work Breakdown Structure consistent with DOE Orders and procedures to support the government's oversight function.

Deliverables

Status report on plans and procedures

Conducts special studies and provide recommendations.

Due Dates

As required

As required

Performance Objective C.4.6.6 - The Contractor must support DOE Program in the review and evaluation of Annual Work Plans, establishment of the program cost and schedule baseline to support the government's oversight function.

Deliverables

Draft planning guidance letters.

Monthly Performance Measurement briefings.

Baseline Change Proposal (BCP) analysis and recommendations.

Support meetings and briefings, e.g., monthly reviews, &

Due Dates

As required

As required

As required

As required

Program Status & Issues Review (PSIR=s), etc.

Monthly Schedule Analysis

As required

Analysis of Planning Products

As required

Maintain Program/Project Decision Schedule

As required

Conduct special studies and provide recommendations

As required

**U.S. DEPARTMENT OF ENERGY
TASK ORDER**

CONTRACTOR NAME AND ADDRESS:

Richard L. Toft, General Manager
Booz-Allen & Hamilton, Inc.
1551 Hillshire Drive
Las Vegas, NV 89134

CONTRACT NUMBER: DE-AC28-02RW12152

CONTROL NUMBER:

TASK ORDER NUMBER: HQ06-01

**Sub Service
Manager**

X: _____
Name: _____
Date: _____
Service Area: _____
702-794-_____

**Sub Service
Manager**

X: _____
Name: _____
Date: _____
Service Area: _____
702-794-_____

Service Manager

X: _____
Name: _____
Date: _____
Service Area: _____
Tele: (702) 794-_____

**Contracting
Officer's Rep**

X: _____
Name: Syed Bokhari
Date: _____
Service Area: All
Tele: (202) 586-2285

TITLE OF TASK ORDER: Base Task for Management and Technical Support Services

DESCRIPTION OF WORK TO BE PERFORMED: HQ06-01 initiates work for FY06 in accordance with the attached base support tasks.

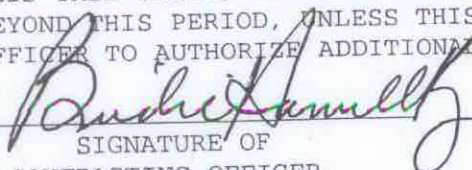
SCHEDULE OF PERFORMANCE/DELIVERABLES LIST AND DUE DATES: SEE ATTACHED PAGES.

NOTE: For each deliverable required by this Task Order, the Contractor shall submit to the Contracting Officer (CO) and to the Contracting Officer's Representative (COR) a copy of the transmittal letter which evidences timely receipt of the deliverable by the Department of Energy. A separate deliverable entitled "Final Task Status Report" shall provide totals of the cost, fee, and hours expended under this Task Order, and shall be provided to the CO, COR, and Service Manager within three months after the completion date of this Task Order.

PERIOD OF PERFORMANCE: This Task Order covers the period of performance from October 1, 2005 through September 30, 2006. (Note: The final three months (June 16, 2006 through September 30, 2006) of this task are contingent upon the government exercising the final option period.)

THIS TASK ORDER IS ISSUED PURSUANT TO THE ORDERING PROCEDURES CLAUSE OF THE SUBJECT CONTRACT.

THE CONTRACTOR SHALL NOT BE PAID FOR WORK PERFORMED OR COSTS INCURRED UNDER THIS TASK ORDER PRIOR TO THE DATE OF THE CO'S SIGNATURE BELOW. IN ADDITION, THE CONTRACTOR IS NOT AUTHORIZED TO PROCEED BEYOND THE PERFORMANCE PERIOD OF THIS TASK ORDER, NOR WILL THE CONTRACTOR BE PAID FOR ANY COSTS INCURRED BEYOND THIS PERIOD, UNLESS THIS TASK ORDER IS REVISED BY THE CONTRACTING OFFICER TO AUTHORIZE ADDITIONAL PERFORMANCE AND PAYMENT.


SIGNATURE OF
CONTRACTING OFFICER

9/12/05
DATE

Birdie V. Hamilton-Ray
TYPE NAME OF
CONTRACTING OFFICER

TASK ORDER HQ05-01

The following table is the performance measures and performance expectations to be used to measure the contractor's performance in the following Work Areas and Performance Objectives:

PERFORMANCE MEASURES & EXPECTATIONS

Performance Measures	Performance Expectations	Rating
1. Quality: Analyses and inputs are accurate and represent a thorough understanding of the elements involved and the impact to program.	1. Work products meet DOE needs without modifications. Work is well planned and controlled. Problems are quickly resolved. Excellent communication and reporting with Task Leader. Support personnel is highly qualified and motivated.	100
	2. Work products meet DOE needs, but require minor modifications. Work is planned. Problems are resolved. Good communications and reporting with Task Leader. Support personnel is well qualified.	95-99
	3. Work products require modification before meeting DOE needs. Some work is planned. Problems are adequately resolved. Adequate reporting with Team Leader. Support personnel is adequately qualified.	90-94
	4. Work products require substantial modification to meet DOE needs. Most work is unplanned. Problems are slowly resolved. There is little communication with Task Leader. Support personnel is not well qualified.	89-below
2. Timeliness: Products and services are done within established time frames and awareness of need dates and related impacts are considered.	1. Assignments are completed on time. 100% of tasks are completed on or ahead of schedule.	100
	2. Most assignments are completed on time. 95% of tasks are completed on time.	95-99
	3. Many assignments are completed on time. 90% of tasks are completed on time.	90-94
	4. Some assignments are done on time. Less than 89% of tasks are completed on time.	89-below

<p>3. Cost: Estimated amount of cost needed to complete work scope is accurate. Tasks are completed within the cost proposed.</p>	<p>1. Costs are accurate, well managed and fully reported. 100% of tasks are completed within or below the cost estimate.</p>	100
	<p>2. Costs are accurate, well managed within budget and reported on time. 95% of tasks are completed within the cost estimate.</p>	95-99
	<p>3. Costs are reasonably accurate, managed and reported. 90% of tasks are completed within the cost estimate.</p>	90-94
	<p>4. No apparent effort to control costs. Less than 89% of tasks are completed within the cost estimate.</p>	89-below

C.4.6 Service Area - HQ Program Management and Control Division ORD Office of Project Control and Monitoring

OCRWM's Office of Program Management and Control Division in Washington D.C. is responsible for OCRWM program management, development of the OCRWM program annual budget submission, and budget administration; program financial management; preparation of documents required by statute, regulation, DOE orders or Secretarial direction to document program planning, strategy, goals, objectives and accomplishments; and, administration of the Nuclear Waste Fund.

Performance Objective C.4.6.1- The Contractor must provide financial analysis and other information necessary to support the government's oversight function and funds management:

- Monthly financial management analysis and status reports, at the program and project levels.
- Ad hoc financial status reports, as required.
- Support annual development of approved funding program and subsequent monthly changes thereto.

Performance Objective C.4.6.2 – The Contractor must provide advice and analysis necessary to support the government budget function:

- Support OCRWM in the preparation of congressional budget presentations and briefing packages in response to different DOE requirements, e.g. Budget Rollout Briefings and Congressional staff briefings.
- Assist in the review, analysis, and integration of congressional questions and answers for practice, staff briefings, and post-hearing requirements.
- Provide budget support for project, including:
- Assisting the project office in responding to OCRWM requests by gathering information and data necessary for:
 1. Developing various budget documents for all functional areas
 2. Responding to annual budget calls

3. Responding to ad hoc budget drills e, g., what ifs, responding to congressional Q&A's etc.

Performance Objective C.4.6.3 - The Contractor must provide technical advice to support the government's production of required document function:

- Support OCRWM in preparation of the *OCRWM Annual Report to Congress*, portraying accomplishments, new initiatives, technical and scientific progress, and program expenditures over the past fiscal year.
- Support the revision of the *Civilian Radioactive Waste Management Program Plan*, as necessary to reflect significant changes in Program approach, objectives, performance goals, strategies, schedule, or resource requirements.

Performance Objective C.4.6.5 - The Contractor must support the review and evaluation of M&O Planning & Control System descriptions, procedures, and operations, and M&O Work Breakdown Structure consistent with DOE Orders and procedures to support the government's oversight function.

Performance Objective C.4.6.6 - The Contractor must support DOE Program in the review and evaluation of Annual Work Plans, establishment of the program cost and schedule baseline to support the government's oversight function.

Performance Objective C.4.6.7 - The Contractor must support the development and implementation of new departmental project management reform initiatives to support the government's continuous improvement function.

Performance Objective C.4.6.8 - The Contractor must support OCRWM in the management of the Nuclear Waste Fund (NWF) by independent development of monthly advice on the investment of excess Nuclear Waste Fund income and, as appropriate, the sale and reinvestment of existing securities, to assist OCRWM in implementing its investment strategy. This includes supporting advice from an investment firm specializing in treasury securities. These are necessary to support OCRWM's financial management function.

Performance Objective C.4.6.9 - The Contractor must provide technical advice and analysis to support the government's financial management function:

- Maintain the systems necessary to generate appropriately timed responses to specific questions concerning NWF past performance and current and projected status.
- Assist in the development of annual NWF financial performance measures.

RW- Deliverables

Maintains drafts of budget formulation/ execution process briefing materials including Qs&As, draft testimony w/Os&As, and other hearing materials.

Prepare draft updates to the OCRWM Major System Management Policy and related implementation plans and procedures.

Provide letter reports on review of M&O developed work plans, project performance reports, and baseline change proposals.

Provide letter reports on task force/working group/advisory group activities.

Provide letter reports on reviews of M&O Planning & Control System description, procedures, and operations.

Submit initial RW-2 Review Draft of the CRWM Program Plan

Submit Final Draft of the CRWM Program Plan, Incorporating comments, cover design, and graphics.

Provide Camera Ready Copy of of the CRWM Program Plan.

Submit monthly progress and PACS cost/ schedule status.

Submit monthly NWF investment recommendations.

Submit monthly activity reports.

Submit initial Review Draft of OCRWM FY02 Annual Report to Congress.

Submit concurrence Draft of OCRWM Annual Report to Congress.

Provide Camera Ready copy of the OCRWM Annual Report to Congress.

Due Dates

Per OCRWM Direction

Within 30 working days after receipt of OCRWM direction

Within 10 working days after receipt of OCRWM direction

Within 10 working days after receipt of OCRWM direction

With 20 working days after receipt of OCRWM direction

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

21 days after month end

5 days before month end

10 days after month end

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

C.4.7 Service Area - Management & Technical Support for Washington, DC Located Functions -General HQ

DOE's Office of the Director is responsible for developing policy and managing the activities of the Office of Civilian Radioactive Waste Management with the assistance of the Deputy Directors and Chief Operating Officer. The Director has the responsibility to direct the OCRWM program, which is presently organized as the Office of Strategy and Program Development, the Office of Repository Development and Office of Quality Assurance.

Performance Objective C.4.7.1 - The Contractor must provide information, research, and analysis on emerging issues relevant to the Office of the Director, Deputy Director for Strategy and Program Development and their immediate staff in management of the Program. This may include, but is not limited to current events in press and media, legislative activities, emerging regulatory issues, and independent technical reviews. Departmental programmatic issues (exclusive of Federal-only responsibilities), including stakeholder affairs and interaction are included. This support is time-sensitive and must meet customer time constraints.

Performance Objective C.4.7.2 - The Contractor must support analysis and reviews of Policy, Legislative, Regulatory and Cooperative Agreement Initiatives to provide programmatic, logistical, regulatory, and other technical support. This includes providing the customer with expertise on emerging technical issues related to waste management and disposal that may require risk analysis, benefit costs analyses, engineering reviews, cost schedule reviews, and management reviews (exclusive of Federal-only responsibilities). This support is time-sensitive and must meet customer time constraints.

Performance Objective C.4.7.3 - The Contractor must:

- Perform document reviews and provide independent analyses or input to support DOE functions located in Washington, DC. This may include but is not limited to: plans, directives, procedures, requirements, regulations, budget/funding, schedules, technical and non-technical studies, issue papers, scientific papers, performance measures, licensing or environmental documents or issues, and other OCRWM documents or briefings.

Prepare materials in accordance with applicable OCRWM document review procedures, and, if applicable OCRWM Quality Assurance procedures.

Deliverables

Provide analysis and support customer's review of draft issue papers, presentation materials, briefing papers, legislative analysis, legal reviews to assure quality, accuracy and consistency with OCRWM programmatic policies and goals.

Monitor and maintain archives and data files of products for reference, records, and updating as necessary.

Provide technical support and expertise to assess cost and schedule impacts, risk analysis and alternative impacts analysis utilizing expertise and special skills as necessary.

Provide support to monitor external events and meetings.

Assist in reviewing documents required by DOE protocols, directives, and requirements on behalf of the customer.

Provide special studies teams of experts and analysts to address rapid response issues in support of customer objectives.

Assist in developing a Workforce Strategic Plan

Due Dates

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

C.4.8 Service Area – Office of Systems Analysis and Strategy Development

DOE's Office of Systems Analysis and Strategy Development mission involves oversight and review of technical and design criteria to assure system integration across OCRWM. Proposed change requests are evaluated and formally controlled. Program/project costs are tracked and reviewed to support high-level radioactive waste fee calculations and to analyze Total System Life Cycle Costs and Fee Adequacy under the NWPA. The contractor will assist DOE in the support of these functions to ensure the integration of technical and design criteria.

Performance Objective C.4.8 - The Contractor will assist with on-site project reviews, assessments, and surveillance to ensure compliance with requirements, including management and technical reviews.

Deliverables

Prepare letter reports on reviews of system studies and analyses, support in improving methodology used in modeling Nuclear Waste Fund performance, life cycle cost evaluations, logistics studies, and baseline change proposals and requirements changes.

Provide an independent assessment and verify the fee adequacy calculations for FY 2005. The assessment should utilize FY 2005 TSLCC estimates as a starting point and benchmark any models or spreadsheets utilized by BSC against the BAH independent assessment.

Provide independent verification and validation of Total Systems Model analysis, including integrating repository, transportation, and waste acceptance sub-system requirements in overall system models and supporting analyses; support continuing evolution of the Systems model to reflect evolving technical baseline and supporting the continuing maturation of overall design concepts; and provide insights into impacts of verification and validation activities on overall OCRWM system.

Provide support for the development of plans, Procedures, and policies to ensure a systematic implementation of configuration management and

Due Dates

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

Per OCRWM Direction

change control processes within the top-level technical baselines and within analysis used for publishing cost estimating, life cycle and system modeling.

Provide independent assessment and analysis of the OCRWM systems and subsystems to assist in determining whether technical baselines are being met; assuring interfaces between repository, transportation, and waste acceptance are adequately addressed; assessing whether overall technical goals and schedule milestones such as those presented in the disposal decision plans are achieved.

Per OCRWM Direction

Provide assistance in assuring the OCRWM technical baseline, systems and subsystems adequately address DOE corporate mission goals including in assisting in the development of strategic and program plans; assessing impacts such as changes in technical policies or programmatic implementation including responding to emerging programmatic and technical issues.

Per OCRWM Direction

Provide independent expertise and services to assess the feasibility of evolving and maturing design, construction, and operations scenarios for the GROA and national transportation infrastructure, including assessing the impacts on program interfaces and controls, and the overall technical baseline.

Per OCRWM Direction

Provide necessary expertise as requested by DOE to perform technical review of Purchaser cost submittals to support DOE activities associated with development and implementation settlements resulting from the delay in commencing waste acceptance by January 31, 1998.

Per OCRWM Direction

Provide support as requested by DOE to assist in discussions with Purchasers and other parties holding spent fuel and high level radioactive waste on issues including facility interfaces, scheduling, and waste form characteristics.

Per OCRWM Direction

Provide assistance as requested by DOE to support technical analysis of issues resulting from the implementation of the Standard Disposal Contract and the MOA.

Per OCRWM Direction

C.4.9 Service Area – International

International

International coordination, cooperation and exchange of information are key to maintaining contact and knowledge of science and technical activities which could impact OCRWM program activities. The contractor will assist DOE in the integration of international activities into the OCRWM domestic program.

Performance Objective C.4.9 - The Contractor must assist in preparations for international meetings, foreign visits, foreign travel, support DOE automated foreign visits and assignment tracking system and the foreign travel management systems, and perform rapid response to translation requests.

Deliverables

Prepare program briefings for international meetings, special reports, program correspondence or other assignments.

Due Dates

Per OCRWM Direction

C.4.10 Service Area – Office of Systems Analysis and Strategy Development

OCRWM's Office of Systems Analysis and Strategy Development addresses the Departmental level policy related to: the National Environmental Policy Act (NEPA), regulations and requirements of the Environmental Protection Agency (EPA) and Nuclear Regulatory Commission (NRC) and DOE; interface, interactions and prepares correspondence between DOE and, the NRC, and EPA. The work provided by the contractor to the regulatory coordination is required to support overall activities assuring implementation and compliance with various/specific guidance.

C.4.10.1 Sub-Service Area - Environment, Safety, and Health Coordination

Performance Objective C.4.10.1.1 - The Contractor must:

- Provide advice and input to the NEPA Compliance Officer's activities with regards to OCRWM NEPA responsibilities and non-OCRWM NEPA activities
- Provide support and coordination of activities including, environmental regulatory, environmental technical issues, environmental policy issues and environmental legislative issues.
- Assistance in implementation of OCRWM's Environment, Safety and Health (ES&H) requirements, including, environmental compliance activities, development and implementation of departmental industrial hygiene program, and requirements of the Executive Order on Environmental Justice.

C.4.10.2 Sub-Service Area - Licensing

Performance Objective C.4.10.2 – The Contractor must:

- Provide necessary expertise to support license application activities.
- Support regulatory policy development and rulemakings and coordination for regulatory, technical, and policy issues involving NRC licensing requirements.
- Provide policy assistance and monitor interactions and issues between the DOE and the NRC.
- Provide technical support and independent analysis on licensing regulatory requirements. Support Program-level coordination and integration activities including regulatory aspects of safeguards and security; and development of long-term licensing strategies.

- Provide technical support and coordination activities involving implementation of NRC licensing criteria. Support programmatic NRC interactions (e.g., RW-1 briefings, informal meetings support Project and other interactions with the NRC and Advisory Committee on Nuclear Waste (ACNW).

Deliverables

Due Dates

Environment, Safety, and Health Coordination:

Prepare white Paper assessing regulatory requirements of proposed legislation and regulations.

Per OCRWM Direction

Prepare/review project input to briefing materials/information-NEPA activities.

Per OCRWM Direction

Review DOE orders and guides and prepare summaries of their impact on OCRWM activities.

Per OCRWM Direction

Assist in development and implementation of integrated safety management.

Per OCRWM Direction

Provide written comments on DOE-wide NEPA documents.

Per OCRWM Direction

Analyze emerging regulatory issues.

Per OCRWM Direction

Licensing Coordination:

Review OCRWM regulatory and Safeguards and Security (S&S) documents

Per OCRWM Direction

Monitor DOE-NRC meetings, including meetings with ACNW. Provide draft summary reports of meetings.

Draft summary report due 24hrs after meeting; summary reports due in 5 days; final due in 15 days

Develop S&S policy and issue papers.

Per OCRWM Direction

Prepare white Paper assessing regulatory requirements of proposed legislation.

Per OCRWM Direction

Provide support in preliminary review/input to presentations to NRC.

Per OCRWM Direction

Provide support in the development and project implementation (i.e., white paper analysis) of licensing strategies.

Per OCRWM Direction

Continued support, as required, of the DOE SNF Workshop approach.

Per OCRWM Direction

Review sections of technical review drafts of the License Application and integrated LA chapters.

Per OCRWM Direction

C.4.11 Service Area – Office of National Transportation

DOE's Office of National Transportation maintains the capability to develop and implement an approach for accepting spent nuclear fuel and high-level radioactive waste from commercial and Federal entities, and the transportation of such waste to a geologic repository (following site identification and construction).

Performance Objective C.4.11 - The Contractor must:

- Provide support to implement a final RFP on national transportation.
- Develop technical materials regarding cask design and contract holder fuel cask requirements.
- National and Nevada based transportation regulatory documents.
- Assist in transportation institutional activities as well as support for section 180 (c) grants.

Activities include the collection and maintenance of spent nuclear fuel discharge information, development of procedures for verification of spent nuclear fuel parameters, maintenance and implementation of the disposal contracts, and interactions with contract holders and others concerning nuclear materials safeguards.

Deliverables

Due Dates

Prepare letter reports on document reviews, special studies or other assignments.

Per OCRWM Direction

Assist in the development of presentation materials on HQ Transportation System.

Per OCRWM Direction

Develop plans, evaluations, specifications to support development of a transportation system.

Per OCRWM Direction

Provide expert technical advice, and analysis, on federal, state, and local transportation requirements to support DOE in the technical areas on transportation, performance assessment and environment impact assessment (NEPA).

Per OCRWM Direction

Assist in supporting DOE in responsibilities with RW-HQ Transportation Program.

Per OCRWM Direction

Assist in supporting integration with the Transportation Coordination Work Group, Transportation External Coordination Working Group, and DOE/NV Transportation Integration Working Group.

Per OCRWM Direction

Provide support for the integration of Transportation Program requirements and policies with LA documents.

Per OCRWM Direction

Assist in the integration of transportation activities with YMP Safeguards and Security and Emergency Response Programs. (This support requires constant identification of analysis of transportation issues, standards, and requirements; the development of compliance strategies; and the development of Transportation Program Documents.)

Per OCRWM Direction

Analysis of applicable federal, state, local, and DOE/NV local and transportation requirements as required.

Per OCRWM Direction

Maintain and update the Transportation Program Document to identify applicable federal, state, local, and DOE/NV transportation requirement and changes responsibilities within the YMP for compliance with specific transportation requirements.

Per OCRWM Direction

Analysis of state and Congressional testimonies and policies that may impact transportation activities.

Per OCRWM Direction

Assist in the development of government furnished services and items (GFSI) to support the national transportation program and the development of a government baseline.

Per OCRWM Direction

Assist in the development of performance baselines for the Nevada Rail Transportation Project and the National Transportation Project

Per OCRWM Direction

Assist in the development of the ESAAB CD-2/3 for the National Transportation Project.

Per OCRWM Direction

C.4.12 Service Area – Office of Systems Analysis and Strategy Development

Performance Objective C.4.12 – The Contractor must assist in reviewing all deliverables from all OCRWM related contracts and other documents ensuring that they are in compliance with QA requirements and all applicable programs, policies, procedures, Orders, documents, laws, statutes, and regulations

Deliverables

Due Dates

Prepare letter reports on document reviews, special studies or other assignments.

Per OCRWM Direction

Develop reports on modifications to utility disposal contracts providing reviews of materials to support the contract modification negotiations, if requested by the Department.

Per OCRWM Direction

Prepare presentation materials, issue papers, briefing materials, and possible testimony supporting the waste acceptance issues for the Department.

Per OCRWM Direction

Provide independent reviews and assessments of repository program materials and transportation materials to as they relate to waste acceptance issues for both the acceptance of commercial and DOE waste. Support will include development of issue papers, presentations, and briefing materials regarding waste acceptance integration issues.

Per OCRWM Direction